US Army Corps of Engineers
Omaha District

Geologic Support

In-House Capabilities

Our staff of 20 geologic professionals and two fully equipped drill crews provides consulting and field services related to all types of engineering geology and ground water investigations, studies and designs. Our staff has worked in a wide variety of geologic environments across the globe.

Hazardous and Toxic Waste Site Investigations
- Sampling program design & assistance
- Monitoring well design & installation
- Soil, ground water and soil vapor sampling
- Direct push soil and ground water sampling
- Negotiations with regulatory agencies
- Ground water modeling
- Aquifer testing
- Well abandonment

Foundation Investigations
- Soil and rock drilling and sampling
- Installation of inclinometers, piezometers, etc.
- Geologic mapping

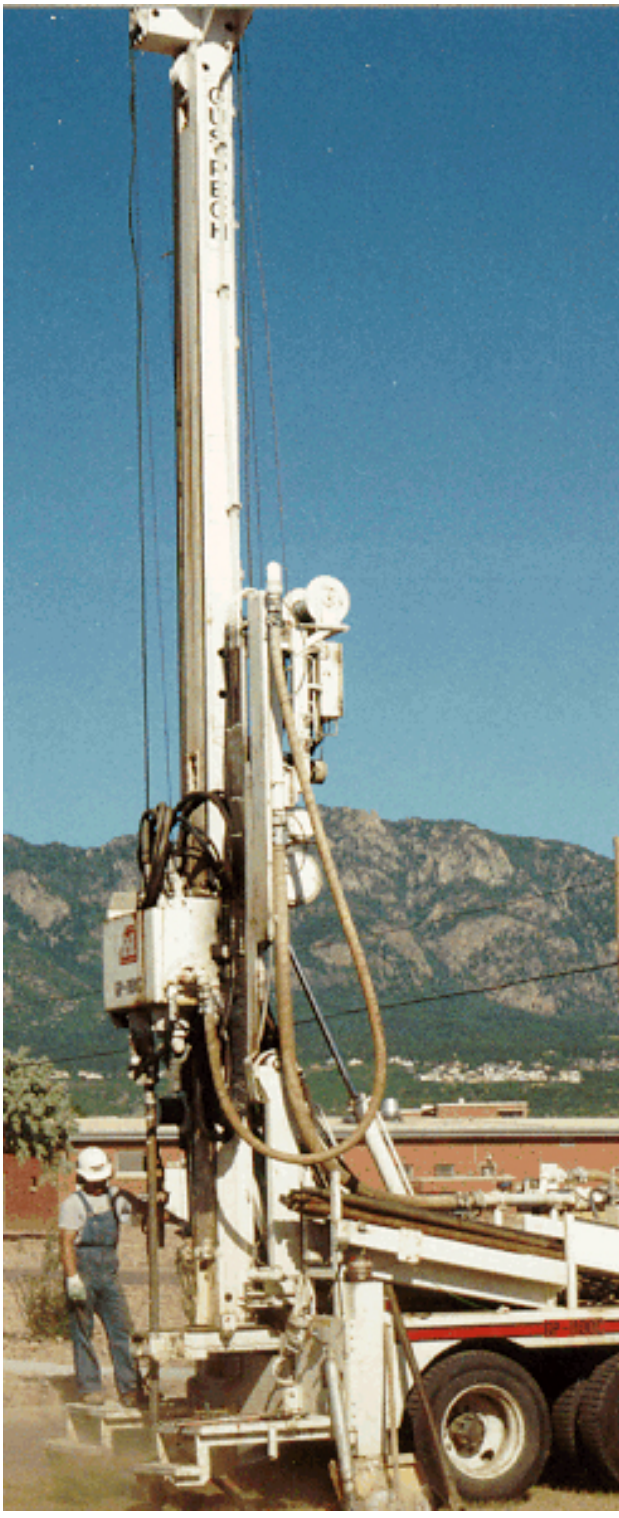
Ground Water and Soil Remediation Designs
- Evaluations for monitored natural attenuation
- Extraction and injection wells
- Sparging, venting and in-situ bioremediation systems
- Ground water barriers and reactive walls

Geophysical Surveys
- Ground penetrating radar
- Shallow conductivity (EM-31)
- EM-61 surveys for conductive metals

Design of tunnels and shafts in rock

Ground water control and dewatering

Water supply systems
- Well head protection plans
- Well design and O&M plans
- Well performance & aquifer testing
- Well maintenance & rehabilitation
- Down-hole camera inspections
- Ground water resource evaluations



Drilling Capabilities

Drill crews are equipped with truck-mounted and all-terrain rigs for auger and mud or air rotary drilling, air-driven casing, rock coring, and direct push sampling for soil, water or vapor. We use hollow stem auger diameters up to 12-inch I.D., casing diameters to eight inches and rock core diameters up to six inches.

Contract Support Capabilities

We manage several contracts for a variety of geological services that provide increased capacity and flexibility in meeting customer needs.